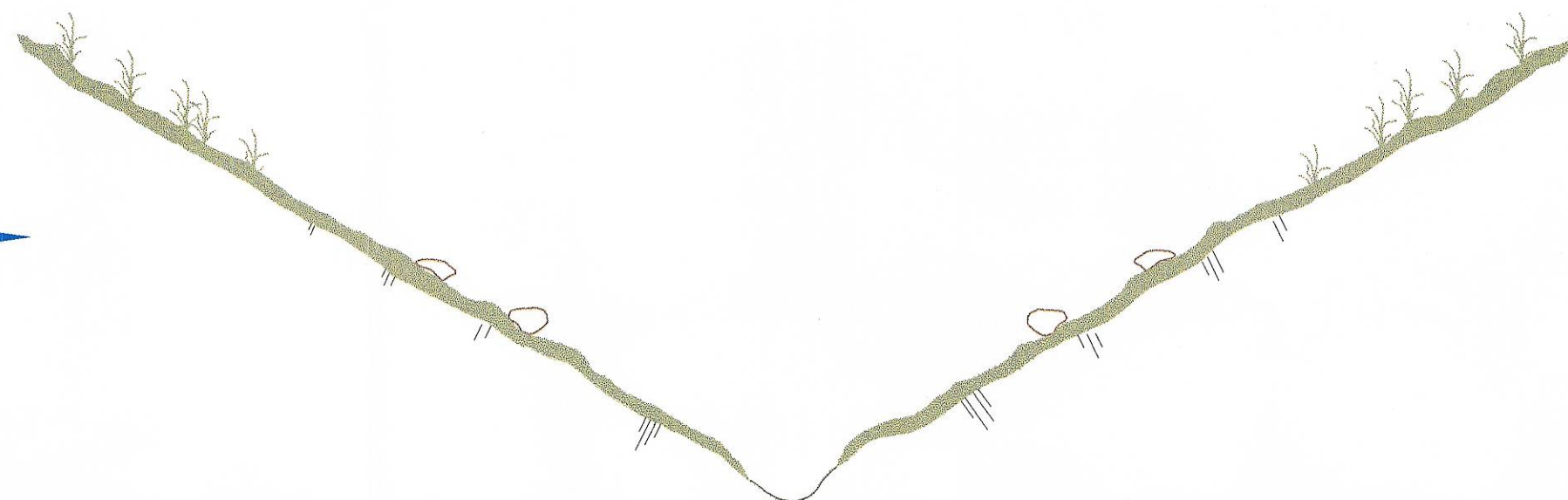
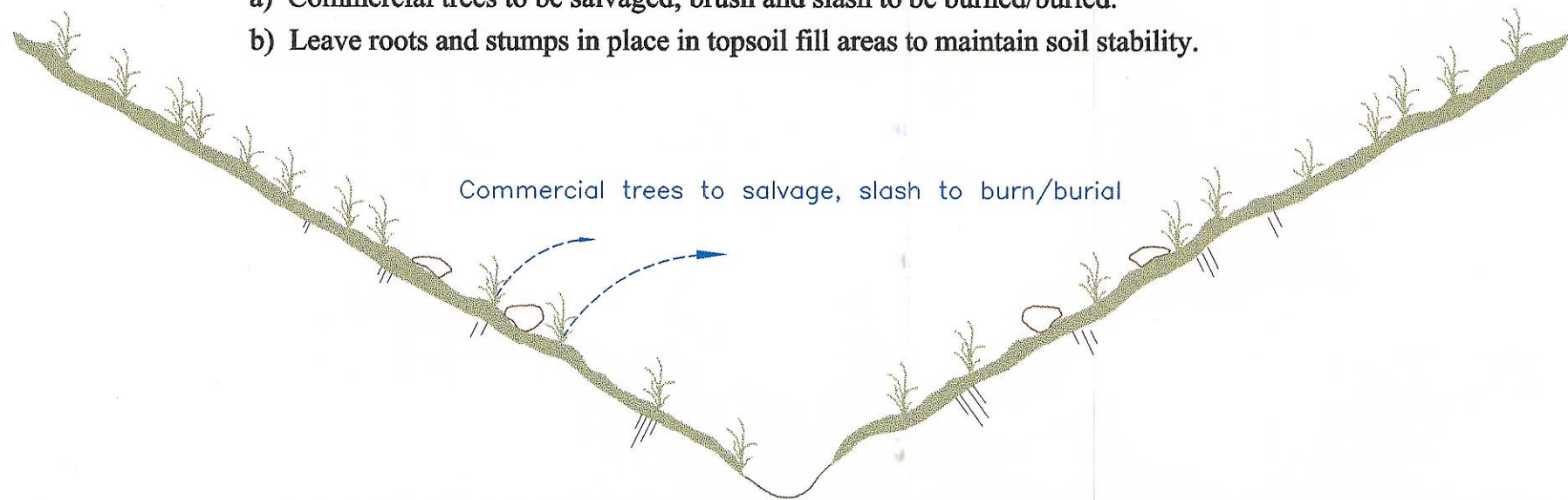


# BEFORE

# AFTER

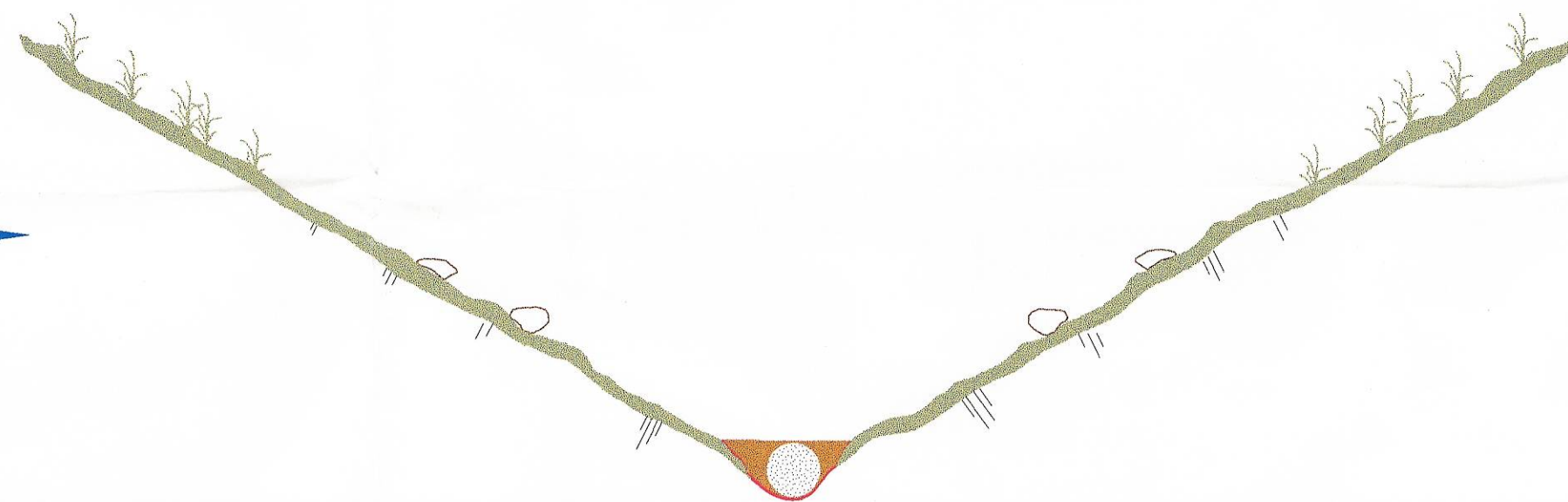
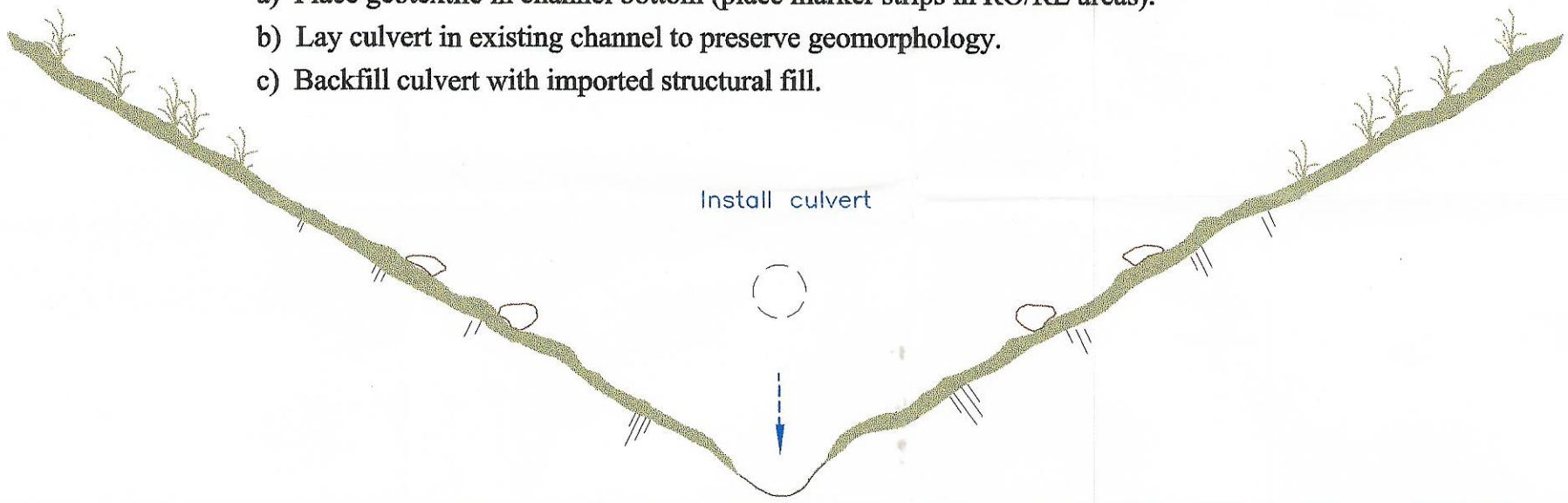
## STEP 1 REMOVE VEGETATION

- Commercial trees to be salvaged; brush and slash to be burned/buried.
- Leave roots and stumps in place in topsoil fill areas to maintain soil stability.



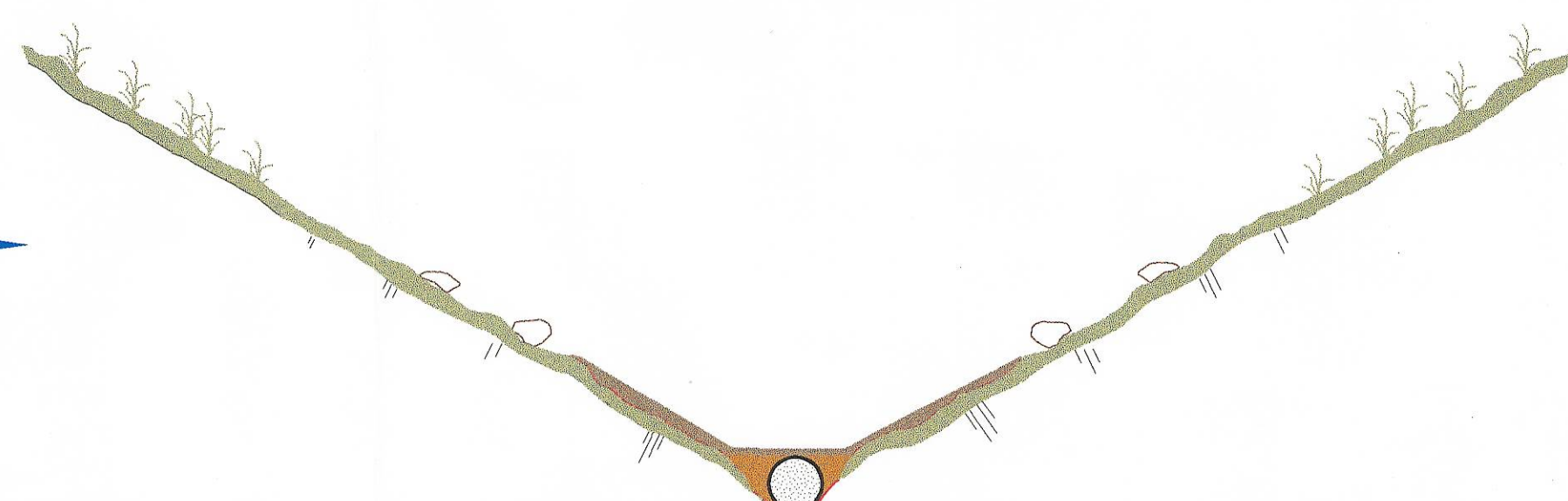
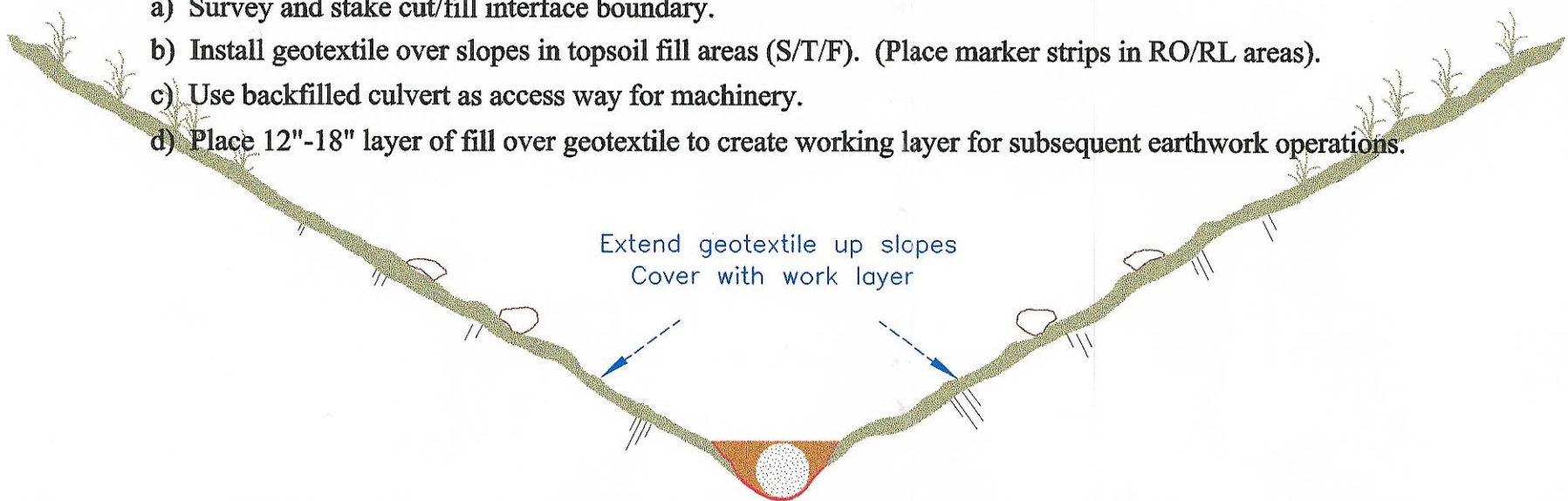
## STEP 2 INSTALL CULVERT AND BACKFILL

- Place geotextile in channel bottom (place marker strips in RO/RL areas).
- Lay culvert in existing channel to preserve geomorphology.
- Backfill culvert with imported structural fill.



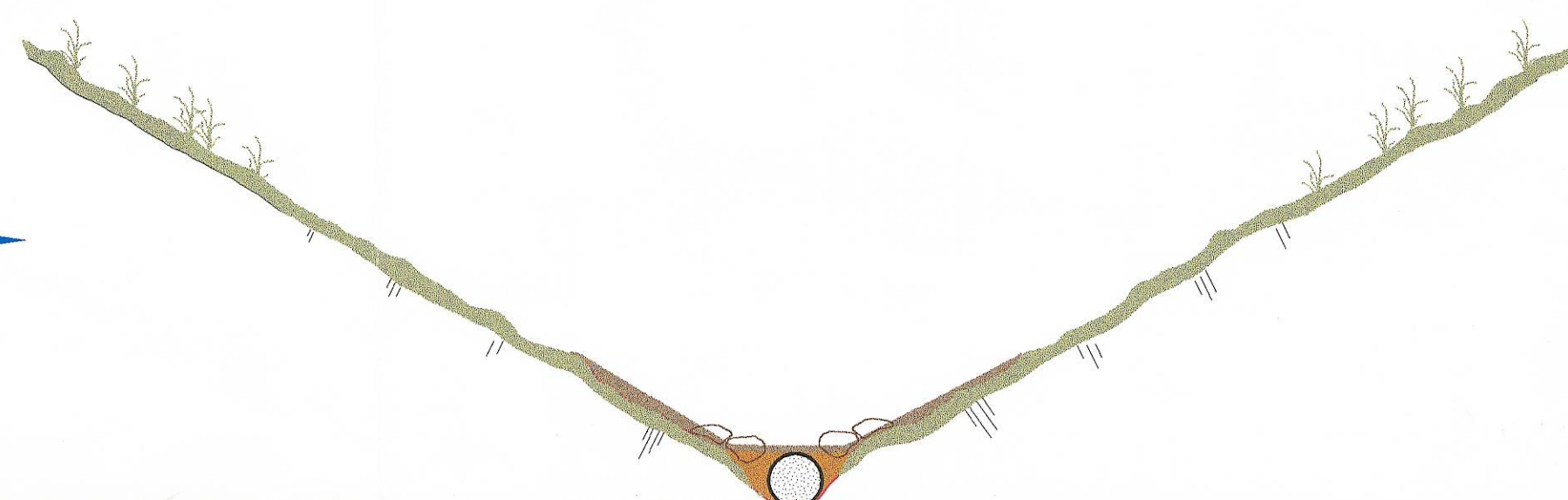
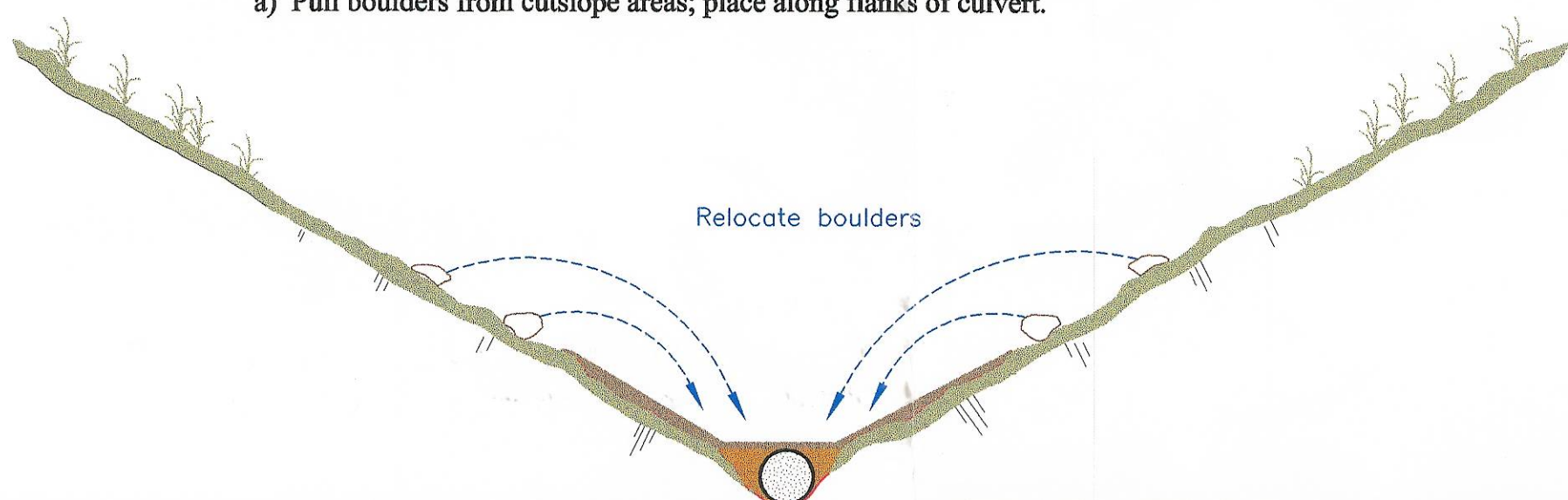
## STEP 3 INSTALL GEOTEXTILE TOPSOIL FILL SLOPES

- Survey and stake cut/fill interface boundary.
- Install geotextile over slopes in topsoil fill areas (S/T/F). (Place marker strips in RO/RL areas).
- Use backfilled culvert as access way for machinery.
- Place 12"-18" layer of fill over geotextile to create working layer for subsequent earthwork operations.



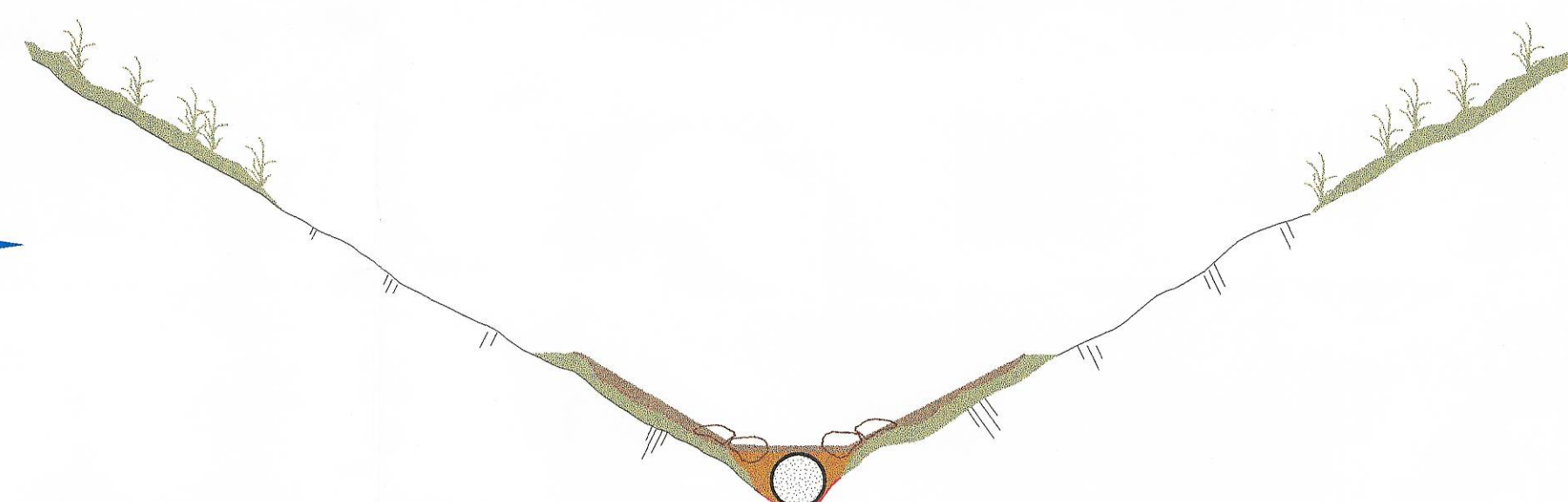
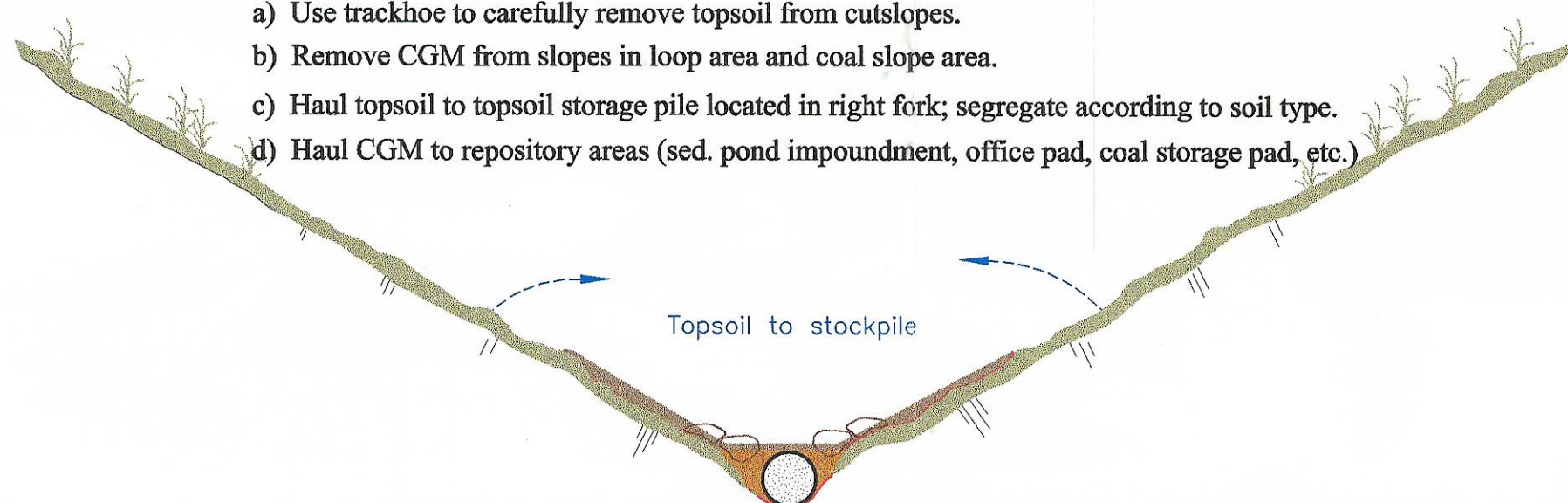
## STEP 4 PULL BOULDERS FROM CUTSLOPES

- Pull boulders from cutslope areas; place along flanks of culvert.



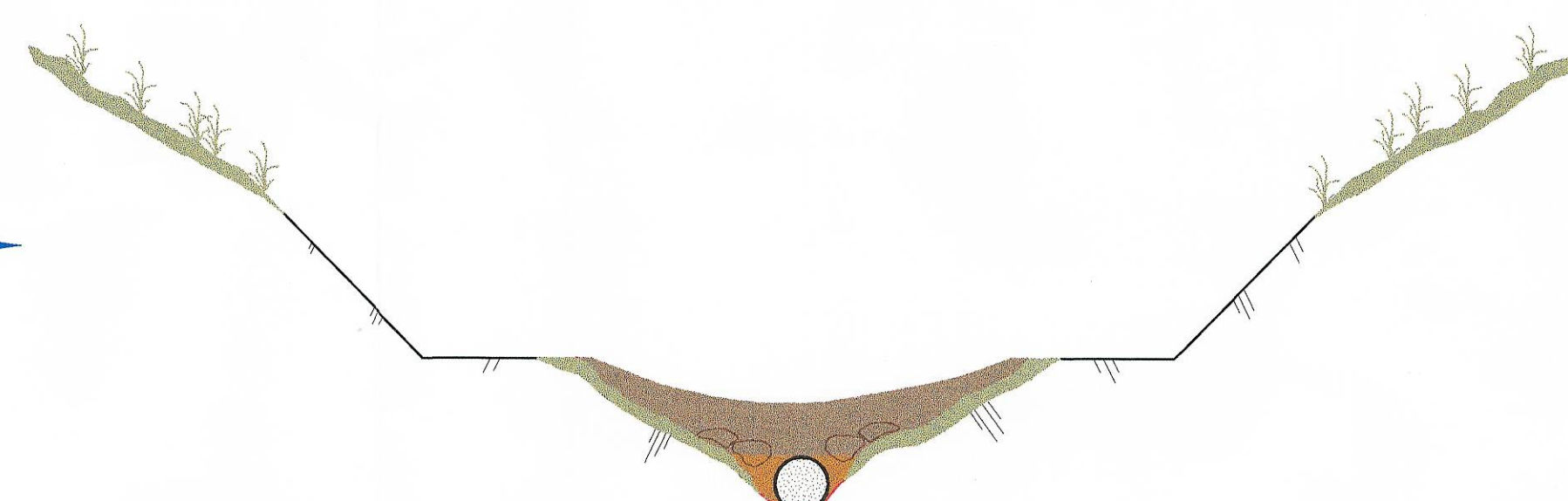
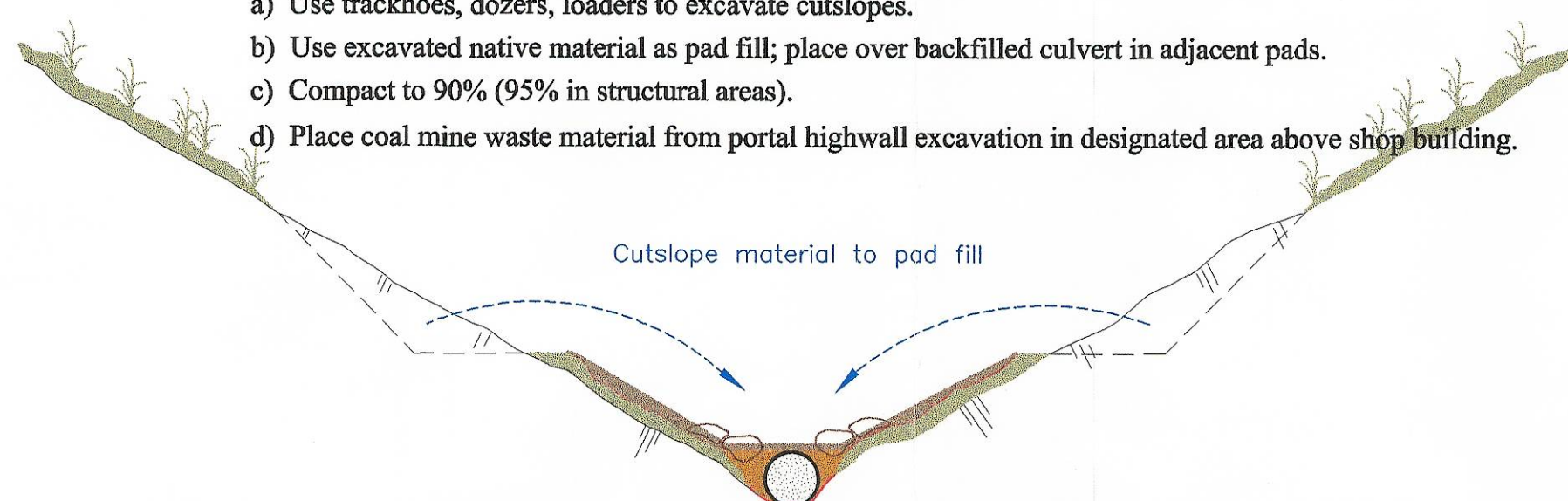
## STEP 5 REMOVE TOPSOIL

- Use trackhoe to carefully remove topsoil from cutslopes.
- Remove CGM from slopes in loop area and coal slope area.
- Haul topsoil to topsoil storage pile located in right fork; segregate according to soil type.
- Haul CGM to repository areas (sed. pond impoundment, office pad, coal storage pad, etc.)



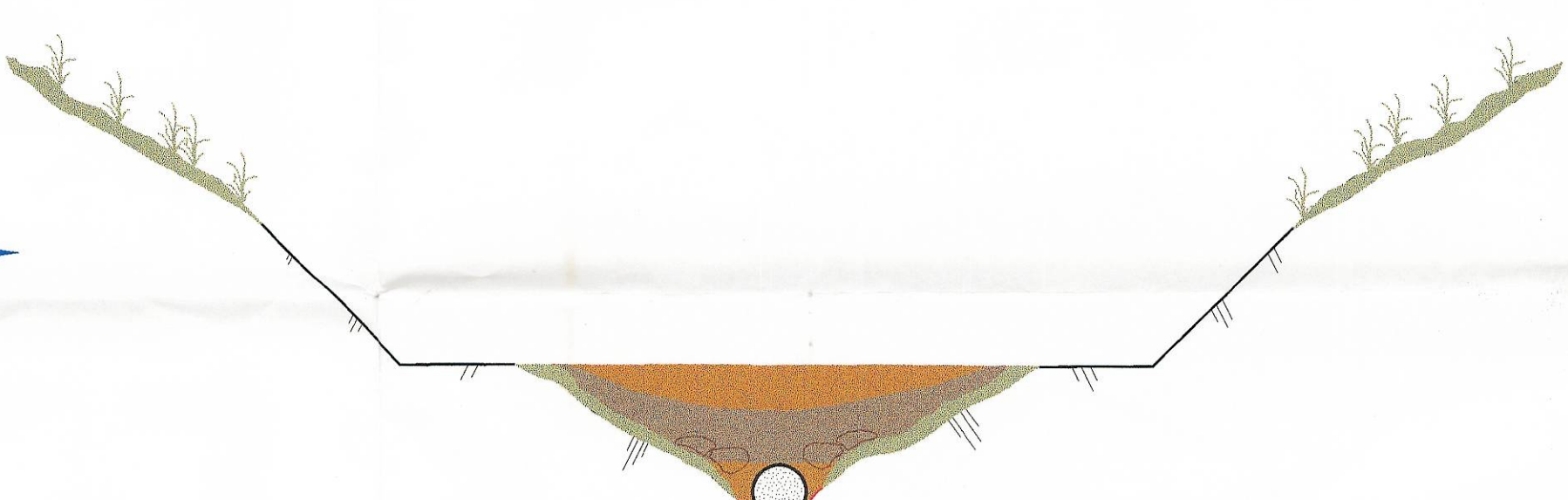
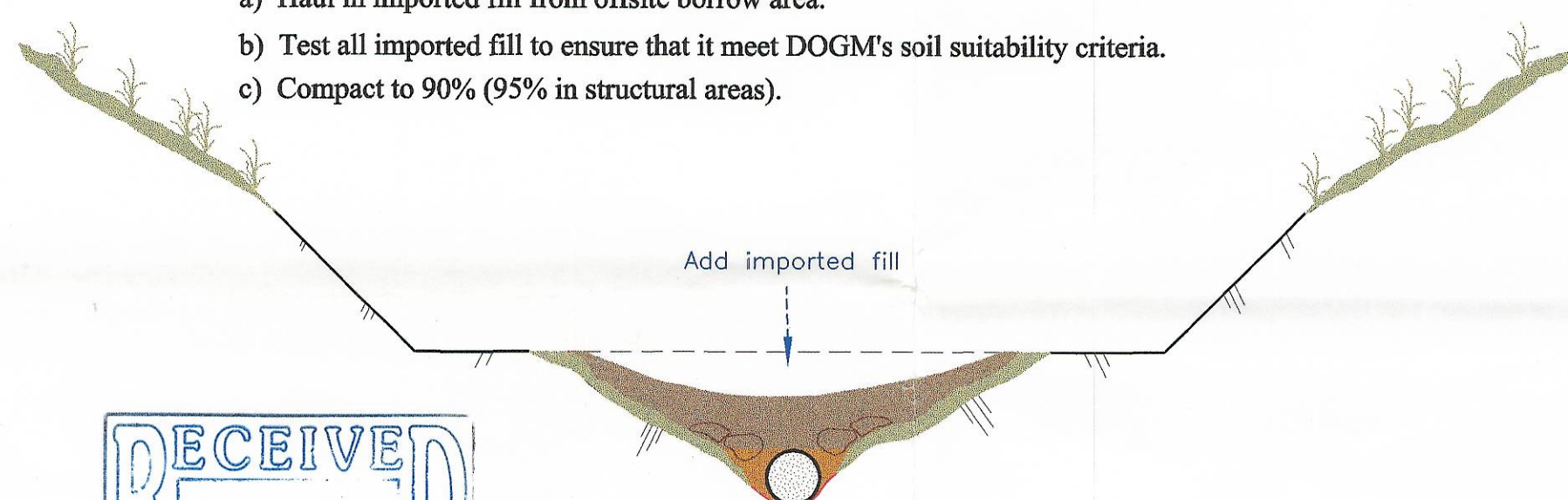
## STEP 6 EXCAVATE SIDESLOPES/PLACE FILL IN PAD

- Use trackhoes, dozers, loaders to excavate cutslopes.
- Use excavated native material as pad fill; place over backfilled culvert in adjacent pads.
- Compact to 90% (95% in structural areas).
- Place coal mine waste material from portal highwall excavation in designated area above shop building.



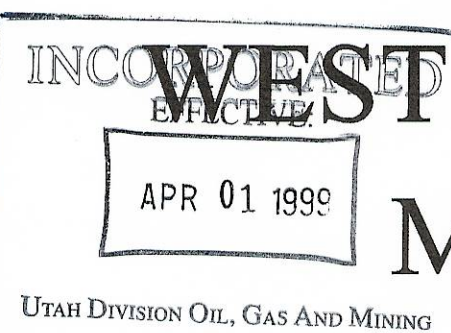
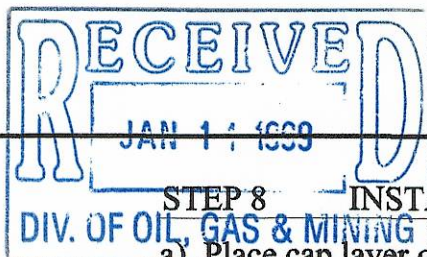
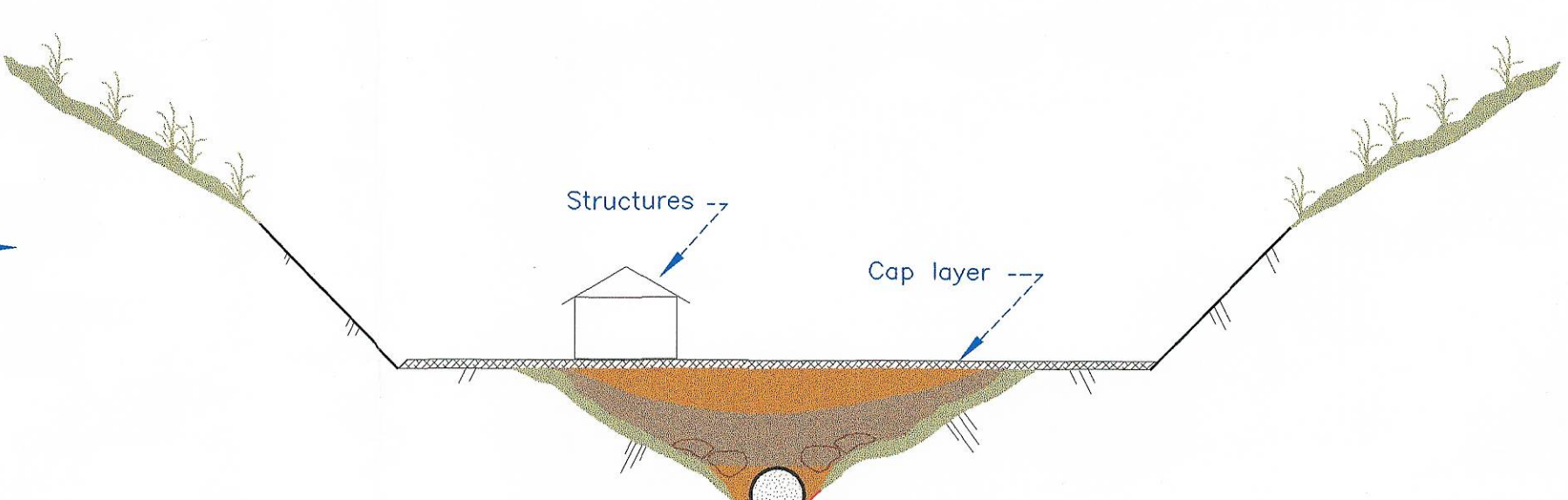
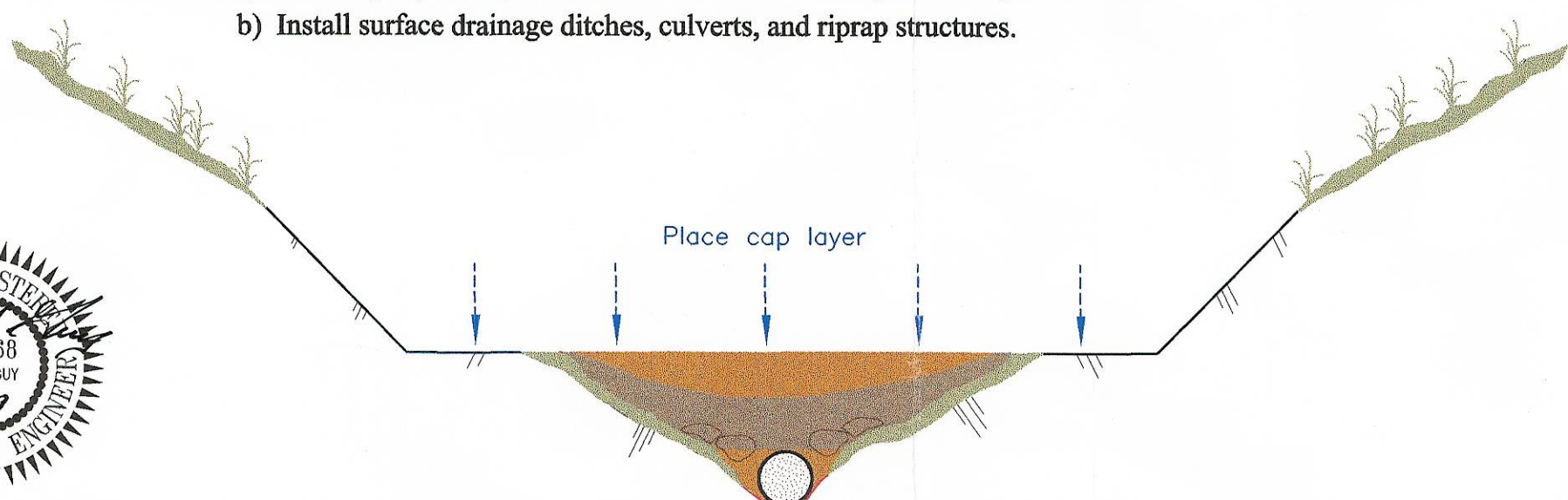
## STEP 7 COMPLETE PAD LEVELS WITH IMPORTED FILL

- Haul in imported fill from offsite borrow area.
- Test all imported fill to ensure that it meets DOGM's soil suitability criteria.
- Compact to 90% (95% in structural areas).



## STEP 8 INSTALL CAP LAYER

- Place cap layer of granular road material over all operational pad surfaces.
- Install surface drainage ditches, culverts, and riprap structures.



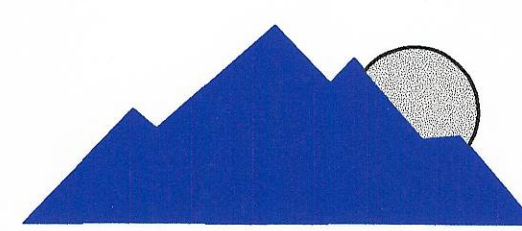
WEST RIDGE MINE

Map 5-11

Construction Sequence

### LEGEND:

- |  |  |
|--|--|
| Cap Layer Material   |  |
| In-Situ Topsoil (Colluvial Growth Material in RO/RL Areas) |  |
| Geotextile (Marker Strips in RO/RL Area)                   |  |
| Excess Fill (Predominantly Imported Fill)                  |  |
| Remaining Fill (Predominantly Native Fill)                 |  |
| Culvert Backfill/Bedding Material                          |  |



WEST RIDGE  
RESOURCES, INC.

SCALE: 500' 0' 1000' 2000'